

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Danny W. Wilson, et al.Application No./Patent No.: 10/613,128 Filed/Issue Date: 07/03/2003

Entitled: Method for Grouping Non-Interruptible Instructions Prior to Handling an Interrupt Request

VeriSilicon Holdings (Cayman Islands) Co. Ltd., a corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

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As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

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The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.



Signature

David H. Hitt

Printed or Typed Name

Attorney for Applicant
Title

January 15, 2007

Date

972-480-8800

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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RECORDATION DATE: 11/09/2006

REEL/FRAME: 018639/0192
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BRIEF: SALE

ASSIGNOR:
LSI LOGIC CORPORATION

DOC DATE: 06/30/2006

ASSIGNEE:
VERISILICON HOLDINGS (CAYMAN
ISLANDS) CO. LTD.
4699 OLD IRONSIDE DRIVE
SUITE 270
SANTA CLARA, CALIFORNIA 95054

SERIAL NUMBER: 08528509
PATENT NUMBER: 5900025
TITLE: PROCESSOR HAVING A HIERARCHICAL CONTROL REGISTER FILE AND METHODS
FOR OPERATING THE SAME

FILING DATE: 09/12/1995

ISSUE DATE: 05/04/1999

SERIAL NUMBER: 08440993	FILING DATE: 05/15/1995
PATENT NUMBER: 5966529	ISSUE DATE: 10/12/1999
TITLE: PROCESSOR HAVING AUXILIARY OPERAND REGISTER FILE AND COMPLEMENTARY ARRANGEMENTS FOR NON-DISRUPTIVELY PERFORMING ADJUNCT EXECUTION	
SERIAL NUMBER: 08845817	FILING DATE: 04/29/1997
PATENT NUMBER: 5987603	ISSUE DATE: 11/16/1999
TITLE: APPARATUS AND METHOD FOR REVERSING BITS USING A SHIFTER	
SERIAL NUMBER: 08841415	FILING DATE: 04/22/1997
PATENT NUMBER: 5987638	ISSUE DATE: 11/16/1999
TITLE: APPARATUS AND METHOD FOR COMPUTING THE RESULT OF A VITERBI EQUATION IN A SINGLE CYCLE	
SERIAL NUMBER: 08401411	FILING DATE: 03/09/1995
PATENT NUMBER: 6081880	ISSUE DATE: 06/27/2000
TITLE: PROCESSOR HAVING A SCALABLE, UNI/MULTI-DIMENSIONAL, AND VIRTUALLY/PHYSICALLY ADDRESSED OPERAND REGISTER FILE	
SERIAL NUMBER: 09096409	FILING DATE: 06/11/1998
PATENT NUMBER: 6061876	ISSUE DATE: 05/16/2000
TITLE: TEXTILE RECYCLING MACHINE	
SERIAL NUMBER: 09235417	FILING DATE: 01/20/1999
PATENT NUMBER: 6523055	ISSUE DATE: 02/18/2003
TITLE: CIRCUIT AND METHOD FOR MULTIPLYING AND ACCUMULATING THE SUM OF TWO PRODUCTS IN A SINGLE CYCLE	
SERIAL NUMBER: 09467939	FILING DATE: 12/21/1999
PATENT NUMBER: 6622154	ISSUE DATE: 09/16/2003
TITLE: ALTERNATE BOOTH PARTIAL PRODUCT GENERATION FOR A HARDWARE MULTIPLIER	
SERIAL NUMBER: 09847849	FILING DATE: 04/30/2001
PATENT NUMBER: 6687773	ISSUE DATE: 02/03/2004
TITLE: BRIDGE FOR COUPLING DIGITAL SIGNAL PROCESSOR TO ON-CHIP BUS AS MASTER	
SERIAL NUMBER: 09993431	FILING DATE: 11/05/2001
PATENT NUMBER: 6715038	ISSUE DATE: 03/30/2004
TITLE: EFFICIENT MEMORY MANAGEMENT MECHANISM FOR DIGITAL SIGNAL PROCESSOR AND METHOD OF OPERATION THEREOF	
SERIAL NUMBER: 09847850	FILING DATE: 04/30/2001
PATENT NUMBER: 6789153	ISSUE DATE: 09/07/2004
TITLE: BRIDGE FOR COUPLING DIGITAL SIGNAL PROCESSOR TO ON-CHIP BUS AS SLAVE	
SERIAL NUMBER: 10028898	FILING DATE: 12/20/2001
PATENT NUMBER: 6813704	ISSUE DATE: 11/02/2004
TITLE: CHANGING INSTRUCTION ORDER BY REASSIGNING ONLY TAGS IN ORDER TAG FIELD IN INSTRUCTION QUEUE	

SERIAL NUMBER: 10007555 FILING DATE: 11/08/2001
PATENT NUMBER: 6871247 ISSUE DATE: 03/22/2005
TITLE: MECHANISM FOR SUPPORTING SELF-MODIFYING CODE IN A HARVARD
ARCHITECTURE DIGITAL SIGNAL PROCESSOR AND METHOD OF OPERATION
THEREOF

SERIAL NUMBER: 09924178 FILING DATE: 08/07/2001
PATENT NUMBER: 6889318 ISSUE DATE: 05/03/2005
TITLE: INSTRUCTION FUSION FOR DIGITAL SIGNAL PROCESSOR

SERIAL NUMBER: 10310234 FILING DATE: 12/05/2002
PATENT NUMBER: 6922760 ISSUE DATE: 07/26/2005
TITLE: DISTRIBUTED RESULT SYSTEM FOR HIGH-PERFORMANCE WIDE-ISSUE
SUPERSCALAR PROCESSOR

SERIAL NUMBER: 10701775 FILING DATE: 11/05/2003
PATENT NUMBER: 6956788 ISSUE DATE: 10/18/2005
TITLE: ASYNCHRONOUS DATA STRUCTURE FOR STORING DATA GENERATED BY A DSP
SYSTEM

SERIAL NUMBER: 09975677 FILING DATE: 10/11/2001
PATENT NUMBER: 6959376 ISSUE DATE: 10/25/2005
TITLE: INTEGRATED CIRCUIT CONTAINING MULTIPLE DIGITAL SIGNAL PROCESSORS

SERIAL NUMBER: 09972404 FILING DATE: 10/05/2001
PATENT NUMBER: 6961844 ISSUE DATE: 11/01/2005
TITLE: SYSTEM AND METHOD FOR EXTRACTING INSTRUCTION BOUNDARIES IN A
FETCHED CACHELINE, GIVEN AN ARBITRARY OFFSET WITHIN THE CACHELINE

SERIAL NUMBER: 09901455 FILING DATE: 07/09/2001
PATENT NUMBER: 6963961 ISSUE DATE: 11/08/2005
TITLE: INCREASING DSP EFFICIENCY BY INDEPENDENT ISSUANCE OF STORE ADDRESS
AND DATA

SERIAL NUMBER: 10277341 FILING DATE: 10/22/2002
PATENT NUMBER: 6968430 ISSUE DATE: 11/22/2005
TITLE: CIRCUIT AND METHOD FOR IMPROVING INSTRUCTION FETCH TIME FROM A
CACHE MEMORY DEVICE

SERIAL NUMBER: 10408387 FILING DATE: 04/07/2003
PATENT NUMBER: 6973630 ISSUE DATE: 12/06/2005
TITLE: SYSTEM AND METHOD FOR REFERENCE-MODELING A PROCESSOR

SERIAL NUMBER: 10047515 FILING DATE: 10/26/2001
PATENT NUMBER: 6976156 ISSUE DATE: 12/13/2005
TITLE: PIPELINE STALL REDUCTION IN WIDE ISSUE PROCESSOR BY PROVIDING
MISPREDICT PC QUEUE AND STAGING REGISTERS TO TRACK BRANCH
INSTRUCTIONS IN PIPELINE

SERIAL NUMBER: 09993114 FILING DATE: 11/05/2001
PATENT NUMBER: ISSUE DATE:
TITLE: MECHANISM AND METHOD FOR IDENTIFYING AND TRACKING CONDITIONAL
INSTRUCTIONS AND DIGITAL SIGNAL PROCESSOR INCORPORATING THE SAME

SERIAL NUMBER: 10002817 FILING DATE: 11/02/2001
PATENT NUMBER: 7013382 ISSUE DATE: 03/14/2006
TITLE: MECHANISM AND METHOD FOR REDUCING PIPELINE STALLS BETWEEN NESTED CALLS AND DIGITAL SIGNAL PROCESSOR INCORPORATING THE SAME

SERIAL NUMBER: 10007498 FILING DATE: 11/13/2001
PATENT NUMBER: ISSUE DATE:
TITLE: PIPELINED MULTIPLY-ACCUMULATE UNIT AND OUT-OF-ORDER COMPLETION LOGIC FOR A SUPERSCALAR DIGITAL SIGNAL PROCESSOR AND METHOD OF OPERATION THEREOF

SERIAL NUMBER: 10066147 FILING DATE: 10/26/2001
PATENT NUMBER: 7107433 ISSUE DATE: 09/12/2006
TITLE: MECHANISM FOR RESOURCE ALLOCATION IN A DIGITAL SIGNAL PROCESSOR BASED ON INSTRUCTION TYPE INFORMATION AND FUNCTIONAL PRIORITY AND METHOD OF OPERATION THEREOF

SERIAL NUMBER: 10066150 FILING DATE: 10/26/2001
PATENT NUMBER: 7085916 ISSUE DATE: 08/01/2006
TITLE: EFFICIENT INSTRUCTION PREFETCH MECHANISM EMPLOYING SELECTIVE VALIDITY OF CACHED INSTRUCTIONS FOR DIGITAL SIGNAL PROCESSOR AND METHOD OF OPERATION THEREOF

SERIAL NUMBER: 10231948 FILING DATE: 08/30/2002
PATENT NUMBER: ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR EXECUTING SOFTWARE PROGRAM INSTRUCTIONS USING A CONDITION SPECIFIED WITHIN A CONDITIONAL EXECUTION INSTRUCTION

SERIAL NUMBER: 10256410 FILING DATE: 09/27/2002
PATENT NUMBER: 7020765 ISSUE DATE: 03/28/2006
TITLE: MARKING QUEUE FOR SIMULTANEOUS EXECUTION OF INSTRUCTIONS IN CODE BLOCK SPECIFIED BY CONDITIONAL EXECUTION INSTRUCTION

SERIAL NUMBER: 10256864 FILING DATE: 09/27/2002
PATENT NUMBER: ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR COOPERATIVE EXECUTION OF MULTIPLE BRANCHING INSTRUCTIONS IN A PROCESSOR

SERIAL NUMBER: 10262414 FILING DATE: 09/30/2002
PATENT NUMBER: ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR EFFICIENT EXECUTION OF LOAD/STORE WITH UPDATE INSTRUCTIONS BY CONDITIONAL UPDATE OF A POINTER

SERIAL NUMBER: 10277339 FILING DATE: 10/22/2002
PATENT NUMBER: 7103757 ISSUE DATE: 09/05/2006
TITLE: SYSTEM, CIRCUIT, AND METHOD FOR ADJUSTING THE PREFETCH INSTRUCTION RATE OF A PREFETCH UNIT

SERIAL NUMBER: 10279344 FILING DATE: 10/24/2002
PATENT NUMBER: ISSUE DATE:
TITLE: IN-CIRCUIT EMULATION DEBUGGER AND METHOD OF OPERATION THEREOF

SERIAL NUMBER: 10299532	FILING DATE: 11/18/2002
PATENT NUMBER:	ISSUE DATE:
TITLE: PROCESSOR HAVING A UNIFIED REGISTER FILE WITH MULTIPURPOSE	
REGISTERS FOR STORING BOTH ADDRESS AND DATA REGISTER VALUES, A	
PROCESSOR HAVING AN INSTRUCTION DECODER AND AN ASSOCIATED REGISTER	
MAPPING METHOD	
SERIAL NUMBER: 10303610	FILING DATE: 11/25/2002
PATENT NUMBER:	ISSUE DATE:
TITLE: METHOD FOR GROUPING NON-INTERRUPTIBLE INSTRUCTIONS PRIOR TO	
HANDLING AN INTERRUPT REQUEST	
SERIAL NUMBER: 10396265	FILING DATE: 03/25/2003
PATENT NUMBER:	ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR EVALUATING AND EFFICIENTLY EXECUTING	
CONDITIONAL INSTRUCTIONS	
SERIAL NUMBER: 10420581	FILING DATE: 04/22/2003
PATENT NUMBER: 7028197	ISSUE DATE: 04/11/2006
TITLE: SYSTEM AND METHOD FOR ELECTRICAL POWER MANAGEMENT IN A DATA	
PROCESSING SYSTEM USING REGISTERS TO REFLECT CURRENT OPERATING	
CONDITIONS	
SERIAL NUMBER: 10437485	FILING DATE: 05/14/2003
PATENT NUMBER: 7079147	ISSUE DATE: 07/18/2006
TITLE: SYSTEM AND METHOD FOR COOPERATIVE OPERATION OF A PROCESSOR AND	
COPROCESSOR	
SERIAL NUMBER: 10603303	FILING DATE: 06/25/2003
PATENT NUMBER: 7051146	ISSUE DATE: 05/23/2006
TITLE: DATA PROCESSING SYSTEMS INCLUDING HIGH PERFORMANCE BUSES AND	
INTERFACES, AND ASSOCIATED COMMUNICATION METHODS	
SERIAL NUMBER: 10613128	FILING DATE: 07/03/2003
PATENT NUMBER:	ISSUE DATE:
TITLE: PROCESSOR AND METHOD FOR CONVOLUTIONAL DECODING	
SERIAL NUMBER: 10844941	FILING DATE: 05/13/2004
PATENT NUMBER:	ISSUE DATE:
TITLE: HARDWARE LOOPING MECHANISM AND METHOD FOR EFFICIENT EXECUTION OF	
DISCONTINUITY INSTRUCTIONS	
SERIAL NUMBER: 11006102	FILING DATE: 12/07/2004
PATENT NUMBER:	ISSUE DATE:
TITLE: FOUR ISSUE QUAD LOAD/ STORE MULTIPLY-ACCUMULATE UNIT FOR A DIGITAL	
SIGNAL PROCESSOR AND METHOD OF OPERATION THEREOF	
SERIAL NUMBER: 11081424	FILING DATE: 03/16/2005
PATENT NUMBER:	ISSUE DATE:
TITLE: SINGLE-ISSUE DIGITAL SIGNAL PROCESSOR ARCHITECTURE HAVING BACKWARDS-	
COMPATIBLE INSTRUCTION SET AND METHOD OF OPERATION THEREOF	

SERIAL NUMBER: 11083575 FILING DATE: 03/18/2005
PATENT NUMBER: ISSUE DATE:
TITLE: DIGITAL SIGNAL PROCESSOR HAVING INVERSE DISCRETE COSINE TRANSFORM
ENGINE FOR VIDEO DECODING AND PARTITIONED DISTRIBUTED ARITHMETIC
MULTIPLY/ACCUMULATE UNIT THEREFOR

SERIAL NUMBER: 11083646 FILING DATE: 03/18/2005
PATENT NUMBER: ISSUE DATE:
TITLE: DIGITAL SIGNAL PROCESSOR HAVING INVERSE DISCRETE COSINE TRANSFORM
ENGINE FOR VIDEO DECODING AND PARTITIONED DISTRIBUTED ARITHMETIC
MULTIPLY/ACCUMULATE UNIT THEREFOR

SERIAL NUMBER: 11128740 FILING DATE: 05/13/2005
PATENT NUMBER: ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR REDUCING THE ADDRESSABLE MEMORY REQUIRED TO
EXECUTE A COMPUTER PROGRAM

SERIAL NUMBER: 11222533 FILING DATE: 09/09/2005
PATENT NUMBER: ISSUE DATE:
TITLE: BRANCH PREDICTOR FOR A PROCESSOR AND METHOD OF PREDICTING A
CONDITIONAL BRANCH

SERIAL NUMBER: 11246595 FILING DATE: 10/07/2005
PATENT NUMBER: ISSUE DATE:
TITLE: PROCESSOR IMPLEMENTING CONDITIONAL EXECUTION AND INCLUDING A SERIAL
QUEUE

SERIAL NUMBER: 11273679 FILING DATE: 11/14/2005
PATENT NUMBER: ISSUE DATE:
TITLE: SYSTEM AND METHOD FOR SIMULTANEOUSLY EXECUTING MULTIPLE CONDITIONAL
EXECUTION INSTRUCTION GROUPS

MARY BENTON, EXAMINER
ASSIGNMENT SERVICES BRANCH
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11-13-2006

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4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s)	
Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 2,080.00 <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number 08-2395 Authorized User Name <u>David H. Hitt</u>	
9. Signature: <u>Prasad Kulkarni</u> Signature Name of Person Signing <u>SESHAGRI PRASAD KULKARNI</u> Total number of pages including cover sheet, attachments, and documents: <u>8</u>	

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Patents and Patent ApplicationsIssued Patents

No.	Serial No.	Issue No.	Patent Title	Filing Date	Issue Date
1	08/528,609	5,900,026	A processor having a hierarchical control register file and methods for operating the same	9/12/1995	5/4/1999
2	08/440,993	5,966,529	Auxiliary operand register file and complementary arrangements for non-disruptively performing adjunct execution by a processor having a virtually addressable primary operand register file	5/15/1996	10/12/1999
3	08/848,817	5,987,603	An apparatus and method for reusing bits during a shift	4/28/1997	11/16/1999
4	08/841,416	5,987,638	An apparatus and method for computing the result of a vertical equation in a single cycle	4/22/1997	11/16/1999
5	08/401,411	6,081,880	Processor having a scalable uni/multidimensional and/or virtually/physically addressable operand register file	8/9/1995	6/27/2000
6	09/098,409	6,280,112	Register Memory Linking	8/5/1998	7/10/2001
7	09/255,417	6,523,055	Circuit and method for multiplying and accumulating the sum of two products in a single cycle	1/20/1999	2/18/2003
8	09/467,939	6,622,154	Alternate Booth Partial Product Generation for a Hardware Multiplier	12/21/1998	9/16/2003
9	09/847,848	6,687,773	Bridge For Coupling Digital Signal Processor To On-Chip Bus As Master	4/30/2001	2/3/2004
10	09/983,431	6,716,038	Efficient Memory Management Mechanism for Digital Signal Processor and Method of Operation Thereof	11/5/2001	3/30/2004
11	09/647,860	6,789,153	Using AMBA For Signal Processor Core Integration	4/30/2001	6/7/2004
12	10/028,898	6,813,704	Changing Instruction Order By Reassigning Only Tags In Order Tag Field In Instruction Queue	12/20/2001	11/2/2004
13	10/007,555	6,871,247	A Method For Memory Sharing And Self-Modifying Code Handling In A Harvard Architecture DSP	11/8/2001	3/22/2005
14	09/924,178	6,889,318	Instruction Fusion For Digital Signal Processor	8/7/2001	5/5/2005
15	10/910,294	6,922,780	Distributed Result System for High-Performance Wide-Issue Superscalar Processor	12/5/2002	7/26/2006
16	10/701,775	6,966,786	Asynchronous Data Structure for Storing Data Generated by a DSP System	11/6/2003	10/18/2005
17	09/975,677	6,969,876	Integrated Circuit Containing Multiple Digital Signal Processors	10/11/2001	10/25/2006

No.	Serial No.	Issue No.	Patent Title	Filing Date	Issue Date
18	09/972,404	6,961,844	System and Method for Extracting Instruction Boundaries In a Fetched Cache Line, Given an Arbitrary Offset within the Cache Line Increasing DSP Efficiency by Independent Issuance of Store Address and Data	10/5/2001	11/1/2005
19	09/901,455	6,963,961	Circuit and Method for Improving Instruction Fetch Time from a Cache Memory Device	7/9/2001	11/8/2005
20	10/277,341	6,968,430	System and Method for Reference-Modeling a Processor Pipeline Stall Reduction in Wide Issue Processor by Providing Mispredict PC Queue and Staging Registers to Track Branch Instructions in Pipeline	10/22/2002	11/22/2005
21	10/408,887	6,970,630		4/7/2003	12/8/2005
22	10/047,815	6,970,156		10/26/2001	12/18/2005

Patent Applications

No.	Serial No.	Issue No.	Patent Title	Filing Date	Issue Date
1	09/993,114		Mechanism and Method For Conditionally Executing Instructions and Digital Signal Processor Incorporating The Same	11/5/2001	
2	10/002,817	7,013,882	Mechanism And Method For Reducing Pipeline Stalls Between Nested Calls and Digital Signal Processor Incorporating The Same Pipelined Multiply-Accumulate Unit and Out-Of-Order Completion Logic For A Superscalar Digital Signal Processor And Method Of Operation Thereof	11/2/2001	8/14/2006
3	10/007,498		Mechanism for Resource Allocation in a Digital Signal Processor and Method of Operation Thereof	11/13/2001	
4	10/055,147		A Method For Instruction Prefetch In A Four-Way Superscalar Harvard Architecture DSP With A Small Direct-Mapped Instruction Cache	10/29/2001	
5	10/066,150		System and Method for Conditionally Executing Software Program Instructions	10/26/2001	
6	10/231,945		System and Method for Simultaneously Executing Multiple Conditional Execution Instruction Groups	8/30/2002	
7	10/256,410	7,020,765	System And Method For Conditionally Executing An Instruction Dependent On A Previously Existing Condition	9/27/2002	8/28/2006
8	10/256,864		System and Method For Selectively Updating Pointers Used In Conditionally Executed Load/Store With Update Instructions	9/27/2002	
9	10/282,414			9/30/2002	

No.	Serial No.	Issue No.	Patent Title	Filing Date	Issue Date
10	10/277,389		System, Circuit, and Method for Adjusting Prefetch Instruction Rate In-Circuit Emulation Debugger and Method of Operation Thereof	10/22/2002	
11	10/279,344		Processor Having a Unified Register File with Multipurpose Registers for Storing Addresses and Data Register Values, and Associated Register Mapping Method	10/24/2002	
12	10/299,532		Method for Grouping Non-Interruptible Instructions Prior to Handling an Interrupt Request		11/16/2002
13	10/303,610		System and Method for Evaluating and Efficiently Executing Conditional Instructions		11/25/2002
14	10/398,265		System and Method For Electrical Power Management In a Data Processing System Using Registers To Reflect Current Operating Conditions		3/25/2003
15	10/420,581	7,628,197	System and Method For Cooperative Operation Of A Processor And Operator	4/22/2003	4/11/2003
16	10/437,485		Data Processing Systems Including High-Performance Buses and Interfaces, and Associated Communication Methods	5/14/2003	
17	10/608,303	7,051,145	Processor and Method for Convolutional Decoding	6/25/2003	5/28/2003
18	10/613,128		Hardware Looping Mechanism and Method for Efficient Execution of Discontinuity Instructions	7/3/2003	
19	10/644,941		Four Iteration Lane/Storm Multiply-Accumulate Unit for a Digital Signal Processor and Method of Operation Thereof	5/13/2004	
20	11/006,102		Single-Issue Digital Signal Processor Architecture Having Backwards-Compatible Instruction Set and Method of Operation Thereof	12/7/2004	
21	11/091,424		DIGITAL SIGNAL PROCESSOR HAVING INVERSE DISCRETE COSINE TRANSFORM ENGINE FOR VIDEO DECODING AND PARTITIONED DISTRIBUTED ARITHMETIC MULTIPLY/ACCUMULATE UNIT THEREFOR	3/18/2005	
22	11/083,575		DIGITAL SIGNAL PROCESSOR HAVING INVERSE DISCRETE COSINE TRANSFORM ENGINE FOR VIDEO DECODING AND PARTITIONED DISTRIBUTED ARITHMETIC MULTIPLY/ACCUMULATE UNIT THEREFOR	3/18/2005	
23	11/053,645		DIGITAL SIGNAL PROCESSOR HAVING INVERSE DISCRETE COSINE TRANSFORM ENGINE FOR VIDEO DECODING AND PARTITIONED DISTRIBUTED ARITHMETIC MULTIPLY/ACCUMULATE UNIT THEREFOR	3/18/2005	

No.	Serial No.	Issue No.	Patent Title	Filing Date	Issue Date
24	11/128,740		System and Method for Reducing the Addressable Memory Required to Execute a Computer Program Which Provides For A Processor And Method Of Providing A Conditional Branch	8/13/2005	
25	11/222,533		Processor Implementing Conditional Execution and Including a Serial Clause	9/9/2005	
26	11/246,595		System and Method for Simultaneously Executing Multiple Conditional Execution Instruction Groups	10/7/2005	
27	11/278,679		Floating point data format for fast execution on fixed point processors		11/14/2005
28	LSI Docket # 05-1230		A Processor Independent Cache Management Mechanism		
29	LSI Docket # 05-1990		Floating Point Hardware Accelerator-Coprocessor for Fixed-Point Processors based on the ZSP Fast Floating Point Format (ZSPFF)		
30	LSI Docket # 05-2212				

ASSIGNMENT OF PATENT

For good and valuable consideration, the receipt of which is hereby acknowledged, each of LSI LOGIC CORPORATION, a Delaware corporation ("LSI Logic"), having offices at 1621 Barber Lane, Milpitas, CA 95035, and LSI LOGIC HK HOLDINGS, an exempted company with limited liability under the laws of Cayman Islands and a wholly-owned subsidiary of LSI Logic Corporation (together with LSI Logic, the "Assignors"), the mailing address of which is PO Box 103407, Harbour Plaza, 4th Floor, 103 South Church Street, Grand Cayman, Cayman Islands, does hereby sell, assign and transfer and agrees to sell, assign and transfer unto VERSUSILICON HOLDINGS (CAYMAN ISLANDS) CO., LTD., an exempted company with limited liability under the laws of the Cayman Islands ("Assignee"), having offices at 4699 Old Ironides Drive, Suite 270, Santa Clara, CA 95054, or its designee, all of such Assignor's right, title and interest in and to the following Patent Applications, Letters Patent and any reissues and continuations thereof:

U.S. Patent or Application No.	Issue Date	Filing Date	Inventor	Description
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and in all counterparts of the foregoing patents filed or issued in foreign countries, as to which such Assignor agrees to furnish and to execute on a country-by-country basis specific Assignments as requested by Assignee or any such designee.

Each of the Assignors covenants that it is the sole owner and assignee and holder of record title to the above-identified United States Letters Patent (and foreign counterparts thereto); as applicable, by virtue of assignments as to the U.S. filed patents and applications previously executed and recorded in the United States Patent and Trademark Office and that it has full power to make the present assignment.

Each of the Assignees further sells, assigns, transfers and conveys to Assignee the entire right, title and interest in and to any and all causes of action and rights or recovery for past infringement of the applicable Letters Patent herein assigned.

Each of the Assignors also hereby authorizes, as applicable, the Commissioner of Patents to issue any and all Letters Patent which may be granted upon any of the patent applications hereto referenced to Assignee, as the assignee to the entire interest thereto.

LSI LOGIC CORPORATION

By: _____

Title: _____

LSI LOGIC HK HOLDINGS

By: _____

Title: _____

ATTEST:

By: _____

Title: _____

LSI LOGIC CORPORATION

By: Byron Loh
Title: SVP & CEO

LSI LOGIC HK HOLDINGS

By: Byron Loh
Title: President and Director

ATTEST:

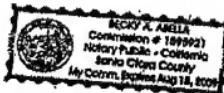
By: Lesley A. Abella
Title: Executive Assistant

Assignment of Patent

CERTIFICATIONSTATE OF California
COUNTY OF Santa Clara

) is

On this 30 day of June, 2006, before me, the undersigned, a Notary Public for the State of California, personally appeared Barry A. Abella, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person who executed the foregoing instrument as President of the corporation named therein, and acknowledged to me that he executed the same as his voluntary act on behalf of such corporation with authority so given for the purposes therein set forth.


Barry A. Abella
Notary PublicMy Commission expires Aug 15, 2009

Assignment of Patent